

# INTERNATIONAL SEARCH REPORT

International Application No

ST/GB2004/002423

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01N27/447

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 21, 3 August 2001 (2001-08-03) & JP 2001 104821 A (HITACHI LTD), 17 April 2001 (2001-04-17) abstract	1-99
A	RAYMOND D E ET AL: "CONTINUOUS SAMPLE PRETREATMENT USING A FREE-FLOW ELECTROPHORESIS DEVICE INTEGRATED ONTO A SILICON CHIP" ANALYTICAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY, COLUMBUS, US, vol. 66, no. 18, 15 September 1994 (1994-09-15), pages 2858-2865, XP000478030 ISSN: 0003-2700 the whole document -/-	1-99

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*Z\* document member of the same patent family

Date of the actual completion of the international search

7 September 2004

Date of mailing of the international search report

15/09/2004

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 2001104821	A	17-04-2001	NONE	
WO 9823368	A	04-06-1998	GB 2319771 A AU 5064198 A WO 9823368 A1	03-06-1998 22-06-1998 04-06-1998
WO 0196857	A	20-12-2001	AU 7133001 A CA 2413634 A1 EP 1350095 A2 JP 2004503775 T WO 0196857 A2 US 2002036141 A1	24-12-2001 20-12-2001 08-10-2003 05-02-2004 20-12-2001 28-03-2002
DE 2141245	A	01-03-1973	DE 2141245 A1	01-03-1973

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### Box No. IV Text of the abstract (Continuation of Item 5 of the first sheet)

Device and method for free flow electrophoresis having a microchip (1) comprising: a separation chamber (5); a plurality of separation medium inlet channels (9), a sample inlet channel (7) having an outlet fluidly connected to the inlet side of the separation chamber through which a flow of a sample containing charged components is in use introduced into the separation chamber; a plurality of outlet channels (17) having inlets fluidly connected to another, outlet side of the separation chamber opposite the inlet side thereof-, and a magnetic field unit (31) for providing a magnetic field substantially orthogonal to the flow direction of the separation medium; whereby charged components introduced into the separation chamber are deflected laterally across the separation. chamber in dependence upon the charge, typically the electrophoretic mobilities or the iso-electric points, of the charged components.